

- NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE:  
PLATFORM WITH BOX/HOPPER/BUCKET

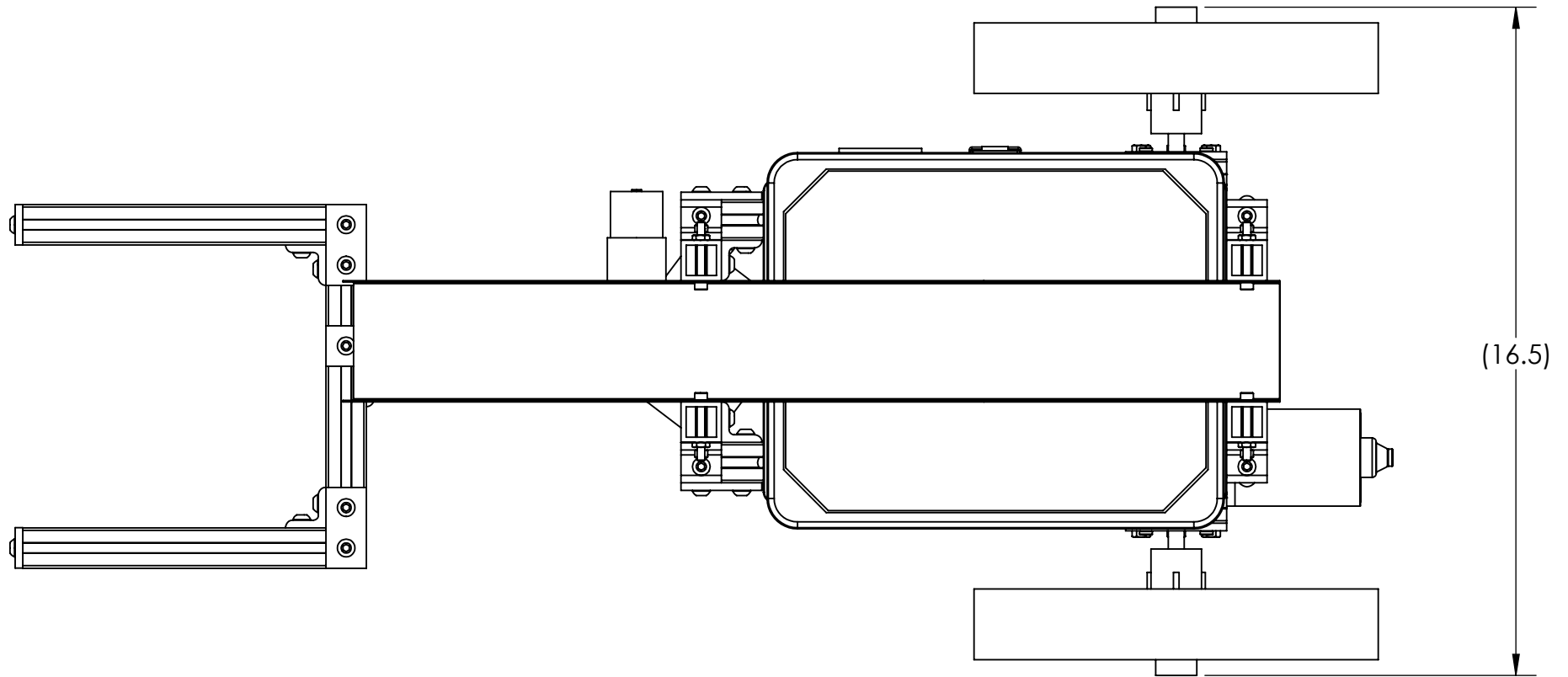
DRAWN NAN LIN

DESIGNED NAN LIN

DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

SIZE	DWG. NO.	REV
A	EML2322L-A-016	A

SCALE: 1:4	SHEET 1 OF 5
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NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

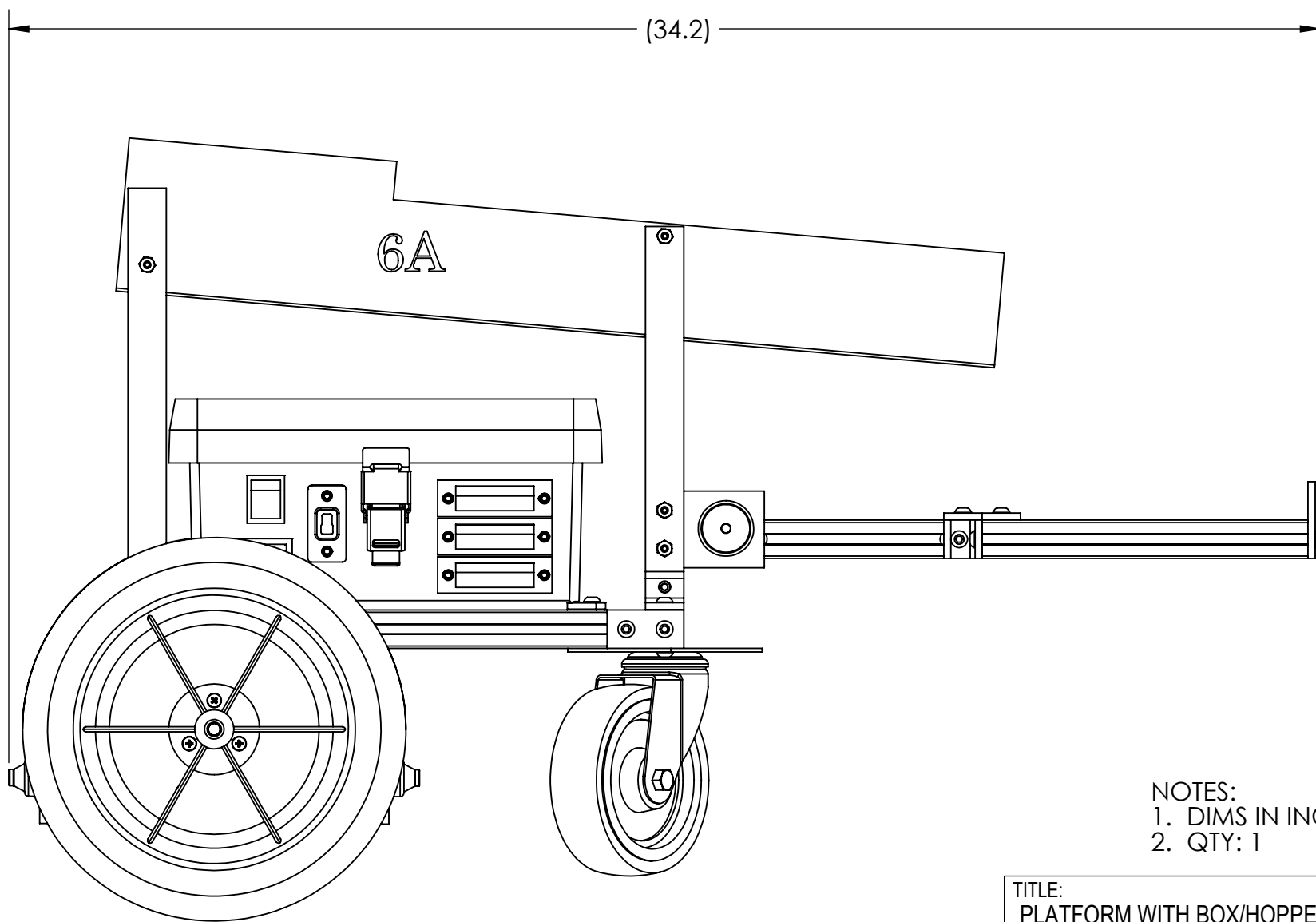
TITLE:  
 PLATFORM WITH BOX/HOPPER/BUCKET

DRAWN NAN LIN

DESIGNED NAN LIN

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	$\pm 0.050$	$\pm 0.020$	$\pm 0.005$
ANGULAR	$\pm 5$	$\pm 2$	$\pm 0.5$

SIZE	DWG. NO.	REV
A	EML2322L-A-016	A
SCALE: 1:4		SHEET 2 OF 5



NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE:  
 PLATFORM WITH BOX/HOPPER/BUCKET

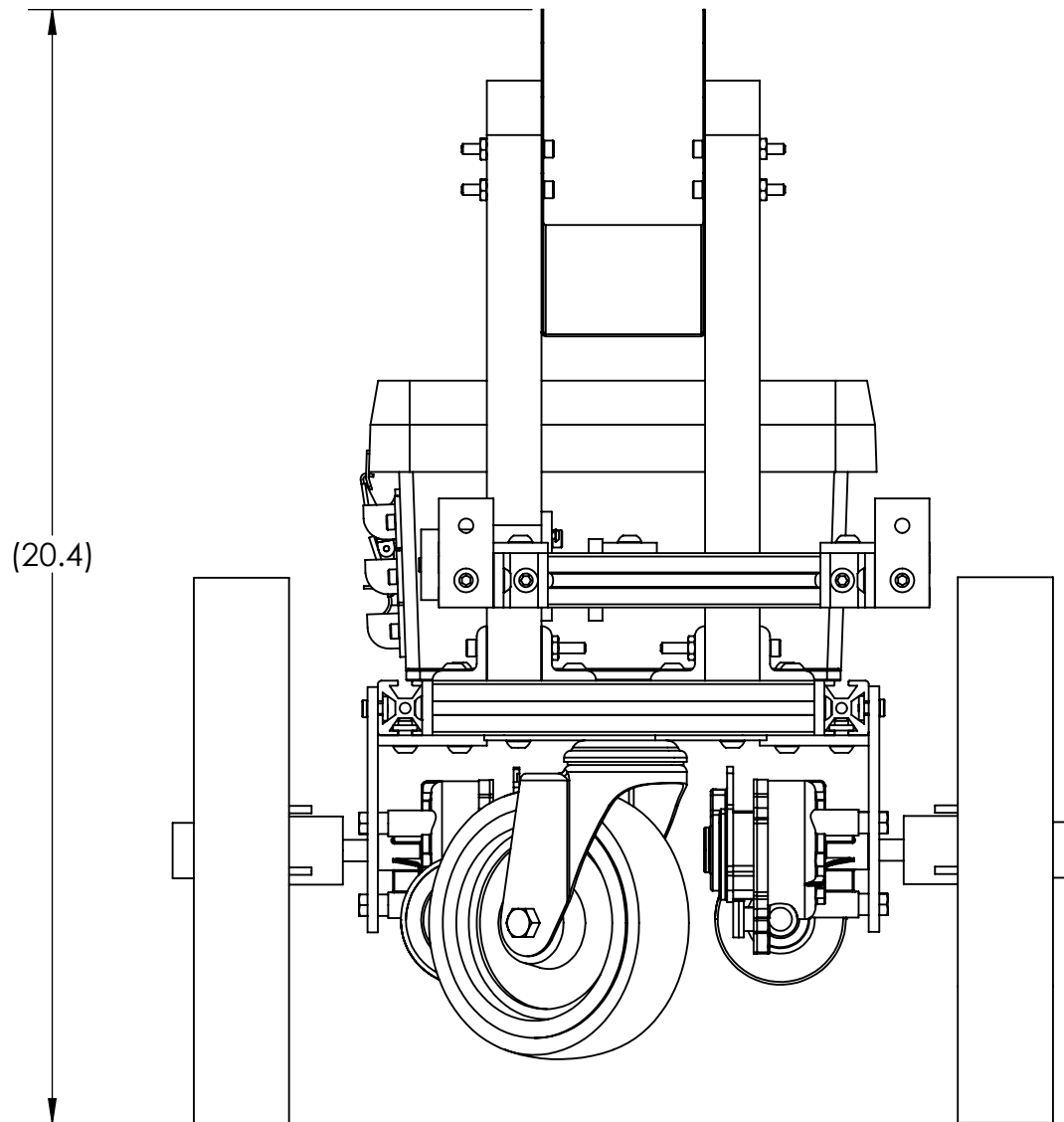
DRAWN NAN LIN

DESIGNED NAN LIN

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

SIZE	DWG. NO.	REV
A	EML2322L-A-016	A

SCALE: 1:4	SHEET 3 OF 5
------------	--------------



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE:  
PLATFORM WITH BOX/HOPPER/BUCKET

DRAWN NAN LIN

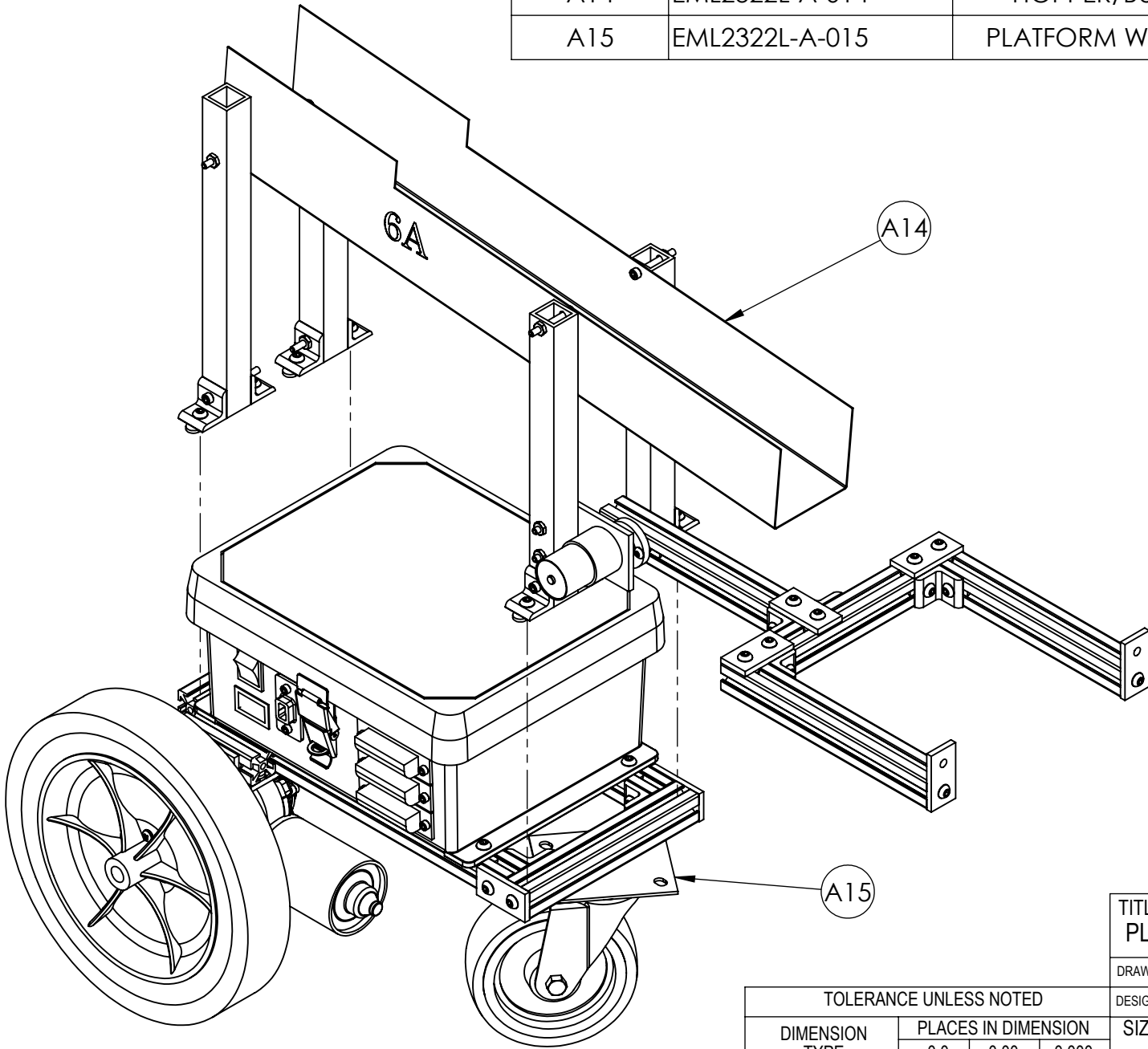
DESIGNED NAN LIN

TOLERANCE UNLESS NOTED				DESIGNED      NAN LIN		
DIMENSION TYPE	PLACES IN DIMENSION			SIZE  A	DWG. NO.  EML2322L-A-016	REV  A
	0.0	0.00	0.000			
LOCATIONAL	±0.050	±0.020	±0.005			
ANGULAR	±5	±2	±0.5	SCALE: 2:7		SHEET 4 OF 5

SCALE: 2:7

SHEET 4 OF 5

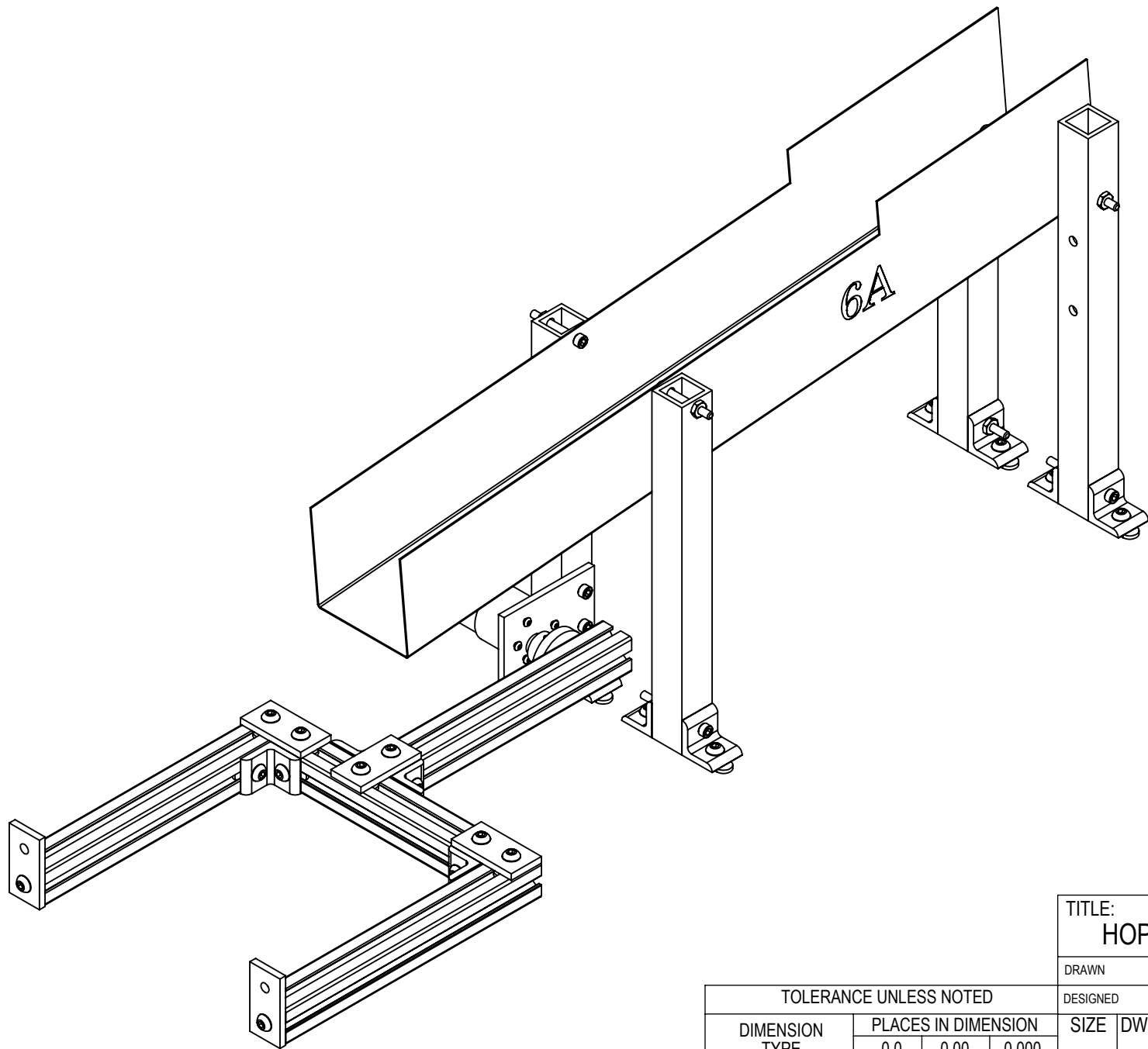
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A14	EML2322L-A-014	HOPPER/BUCKET ASSEMBLY	1
A15	EML2322L-A-015	PLATFORM WITH CONTROL BOX	1



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE: PLATFORM WITH BOX/HOPPER/BUCKET				
DRAWN		NAN LIN		
DESIGNED		NAN LIN		
SIZE	DWG. NO.			REV
A	EML2322L-A-016			A
SCALE: 2:9				SHEET 5 OF 5

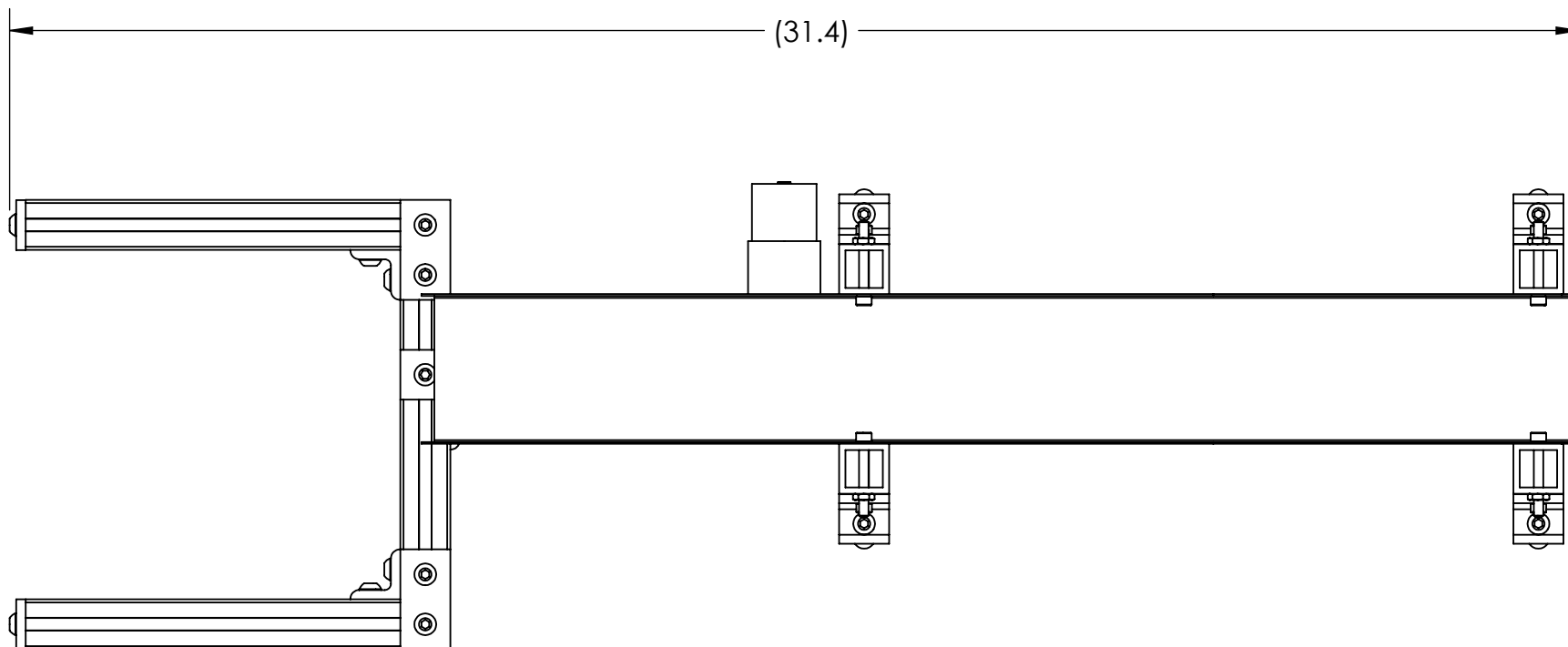
DIMENSION TYPE	TOLERANCE UNLESS NOTED		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: HOPPER/BUCKET ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-014		A
SCALE: 2:7		SHEET 1 OF 4	

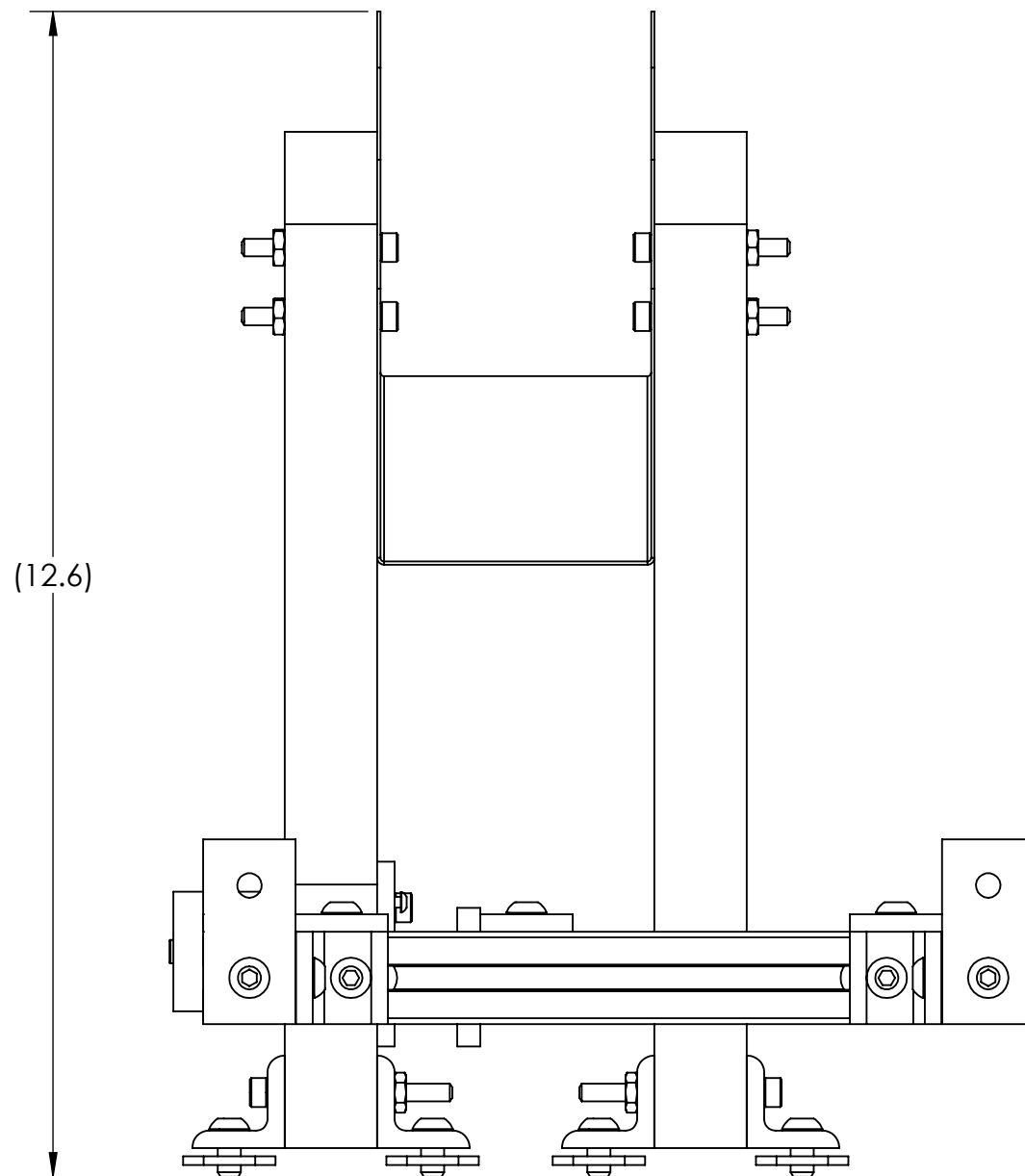
DIMENSION TYPE	TOLERANCE UNLESS NOTED		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: HOPPER/BUCKET ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-014		A
SCALE: 2:7		SHEET 2 OF 4	

DIMENSION TYPE	TOLERANCE UNLESS NOTED		
	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



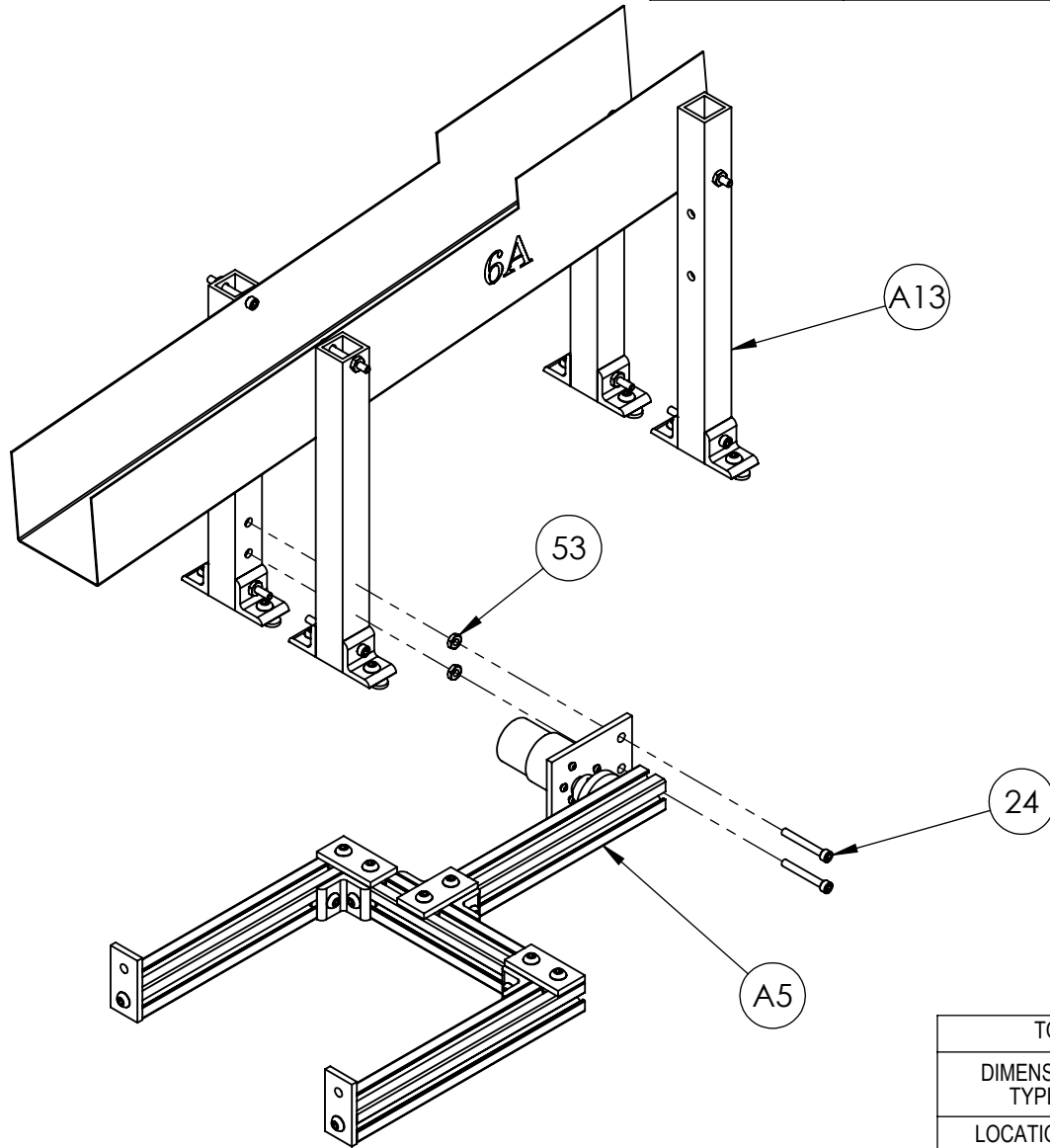
- NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: HOPPER/BUCKET ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-014		A
SCALE: 1:2		SHEET 3 OF 4	

DIMENSION TYPE	TOLERANCE UNLESS NOTED PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



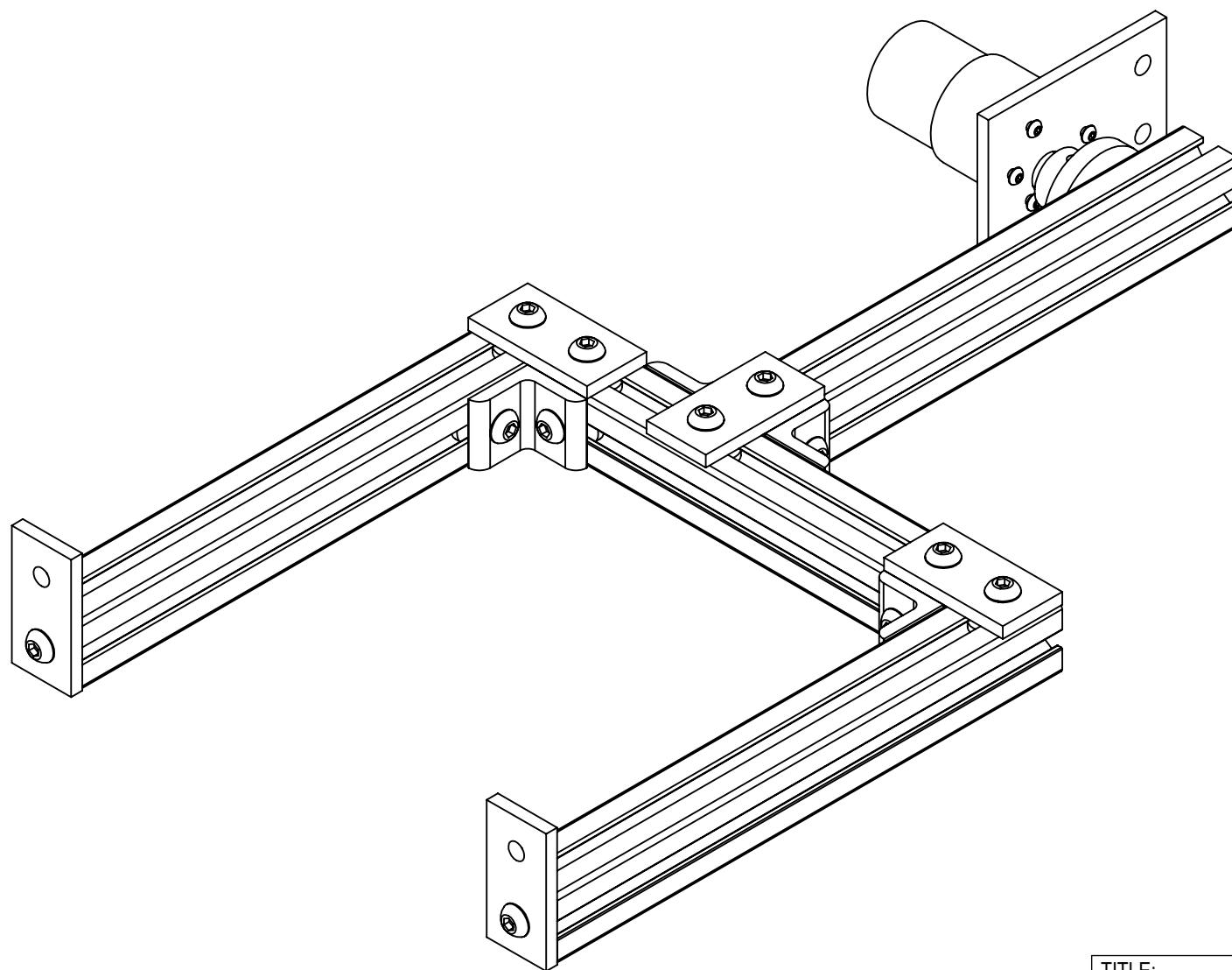
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
24	EML2322L-0024	10-24 - 1.5 in SOCKET HEAD SCREW	2
53	EML2322L-0053	10-24 HEX NUT	2
A5	EML2322L-A-005	BUCKET MANIPULATOR TOTAL ASSEMBLY	1
A13	EML2322L-A-013	HOPPER ASSEMBLY	1



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE: HOPPER/BUCKET ASSEMBLY				
DRAWN		MARK YEN		
DESIGNED		MARK YEN		
SIZE	DWG. NO.	REV		
A	EML2322L-A-014	A		
SCALE: 1:5		SHEET 4 OF 4		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



- NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE:  
 BUCKET MANIPULATOR TOTAL ASSEMBLY

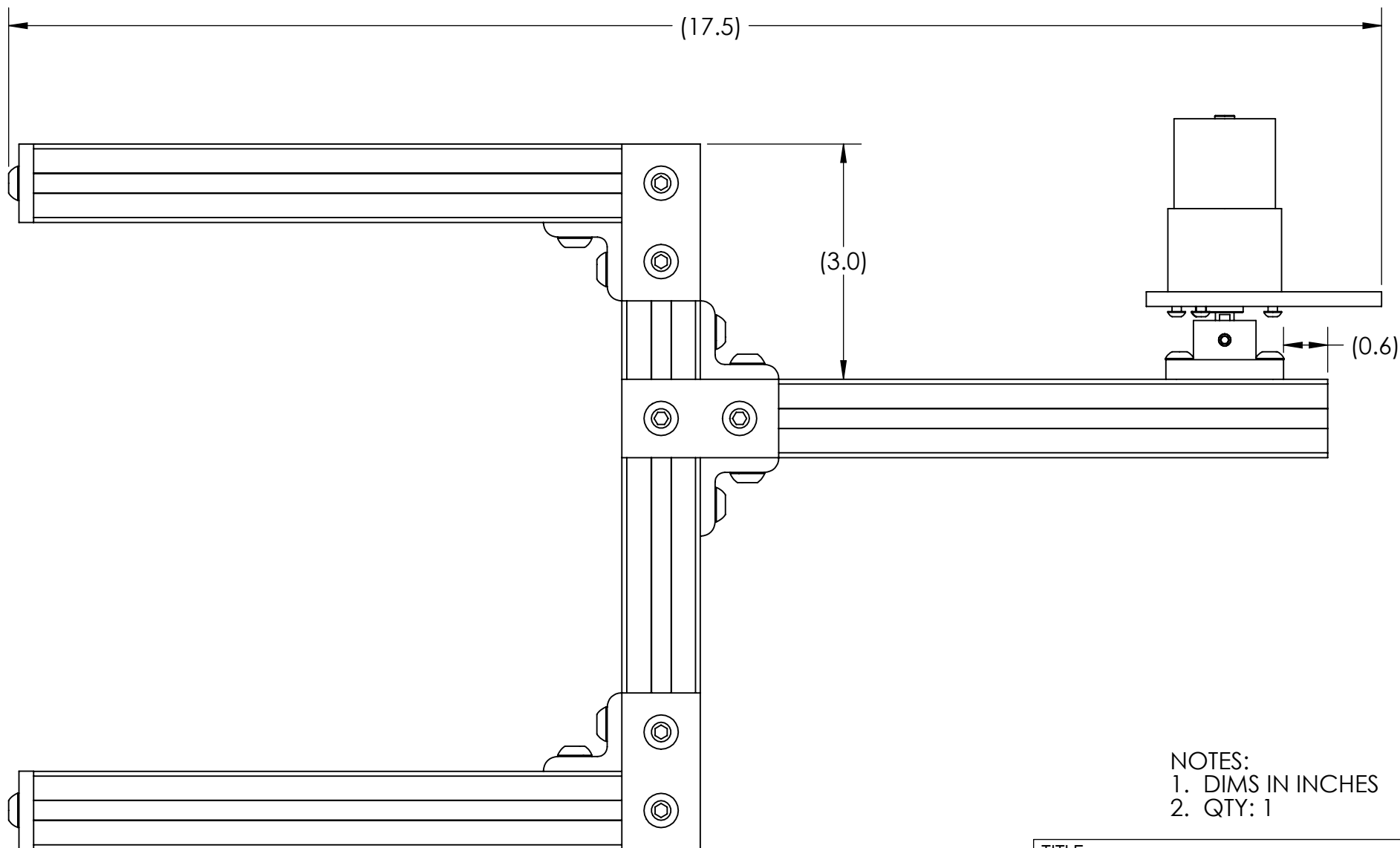
DRAWN MARK YEN

DESIGNED MARK YEN

TOLERANCE UNLESS NOTED				DESIGNED MARK YEN		
DIMENSION TYPE	PLACES IN DIMENSION			SIZE	DWG. NO. EML2322L-A-005	REV A
	0.0	0.00	0.000			
	LOCATIONAL	±0.050	±0.020	±0.005		
ANGULAR	±5	±2	±0.5	SCALE: 1:2		SHEET 1 OF 4

SCALE: 1:2

SHEET 1 OF 4



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE:  
BUCKET MANIPULATOR TOTAL ASSEMBLY

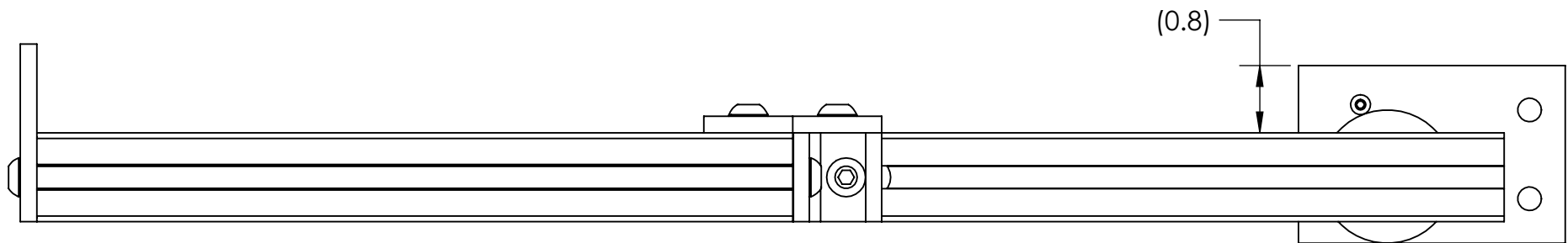
DRAWN MARK YEN

DESIGNED MARK YEN

TOLERANCE UNLESS NOTED				SIZE	DWG. NO.	REV
DIMENSION TYPE	PLACES IN DIMENSION			A	EML2322L-A-005	A
	0.0	0.00	0.000			
LOCATIONAL	±0.050	±0.020	±0.005			
ANGULAR	±5	±2	±0.5			

SCALE: 11:20

SHEET 2 OF 4

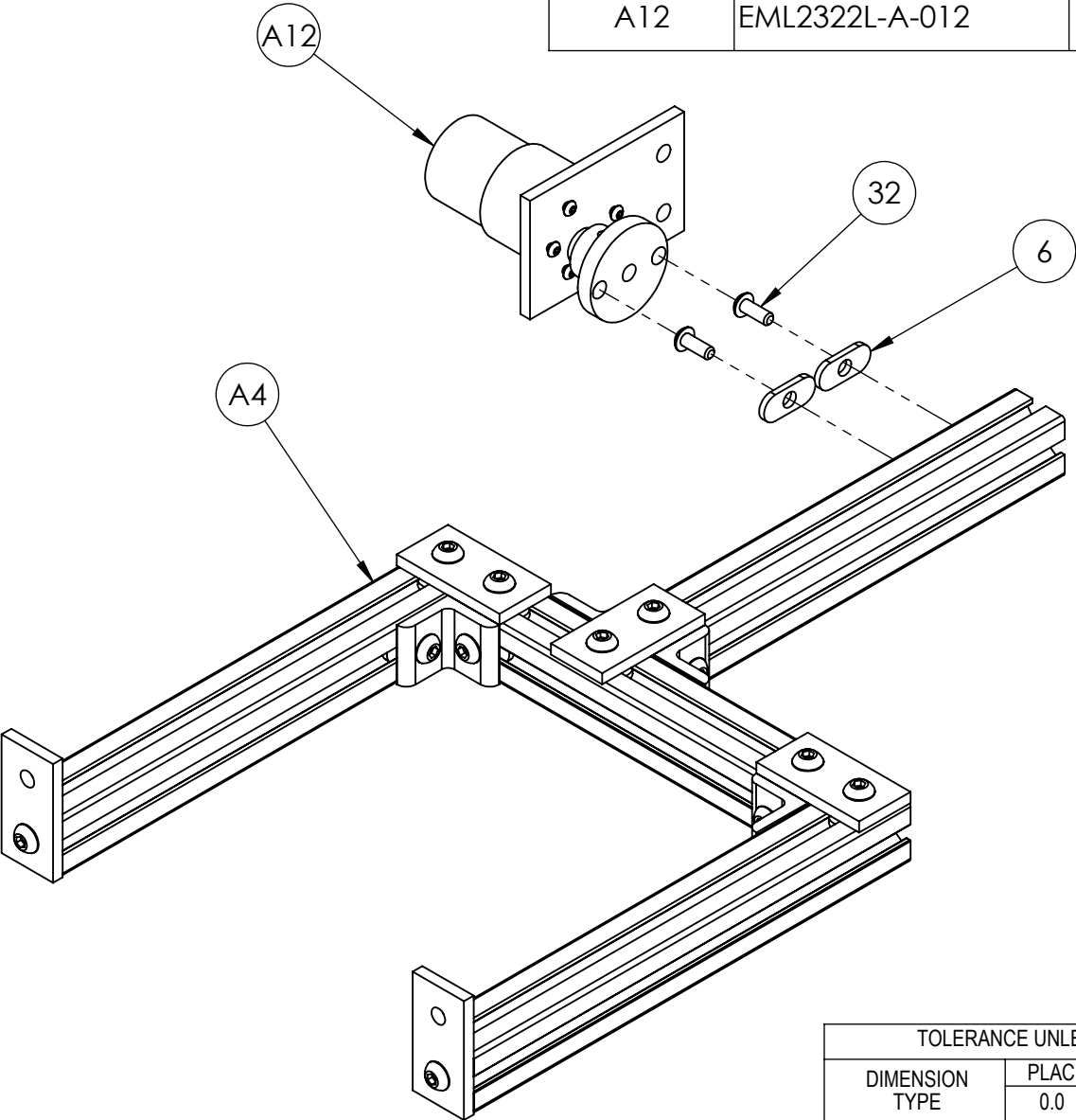


- NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: BUCKET MANIPULATOR TOTAL ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-005		A
SCALE: 11:20		SHEET 3 OF 4	

DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

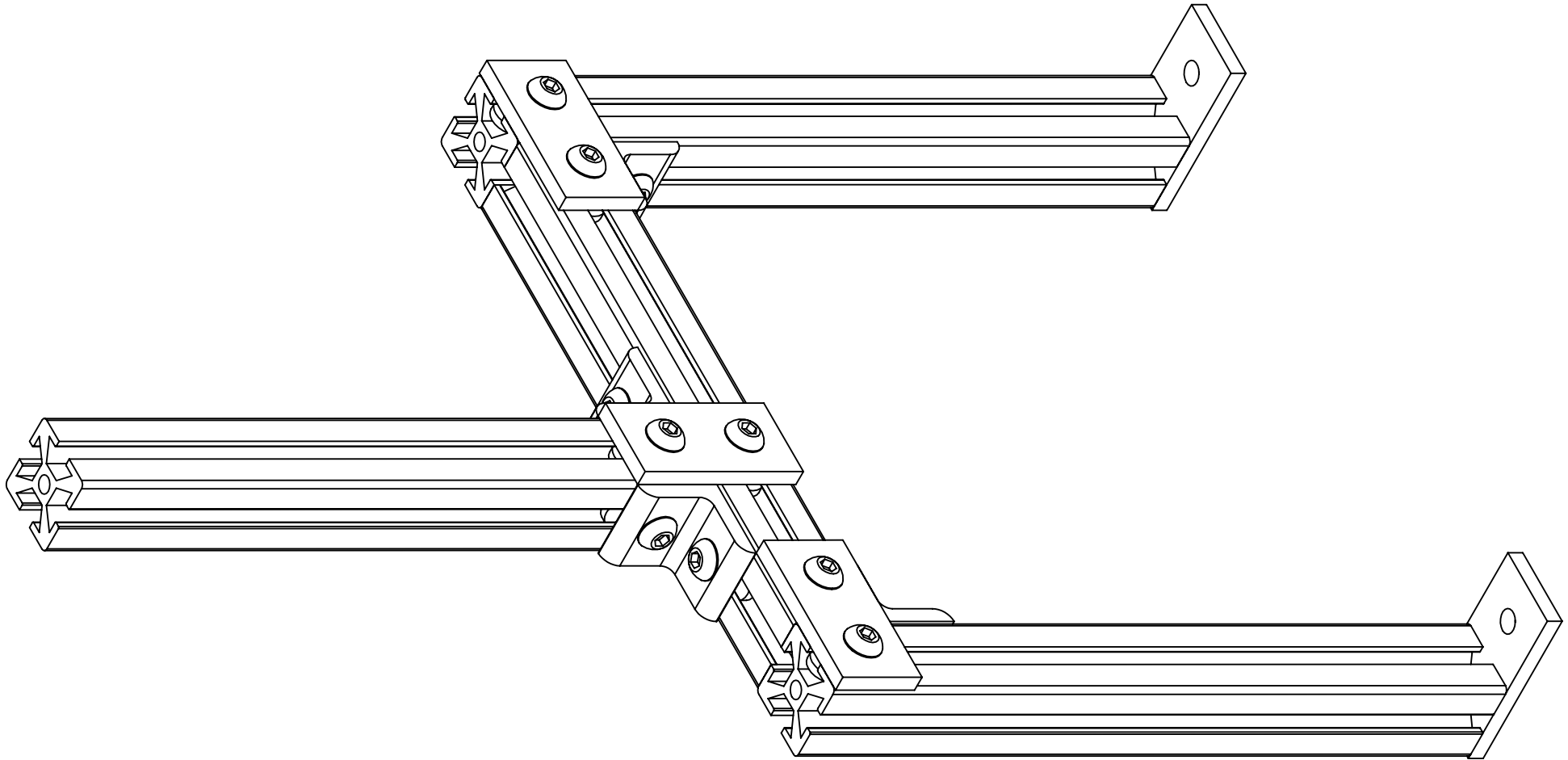
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
6	EML2322L-0006	1/4-20 T-NUT	2
32	EML2322L-0032	10-24 - 0.5 in BUTTON SCREW	2
A4	EML2322L-A-004	BUCKET MANIPULATOR	1
A12	EML2322L-A-012	BUCKET MANIPULATOR MOTOR ASSEMBLY	1



NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: BUCKET MANIPULATOR TOTAL ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-005		A
SCALE: 2:5		SHEET 4 OF 4	

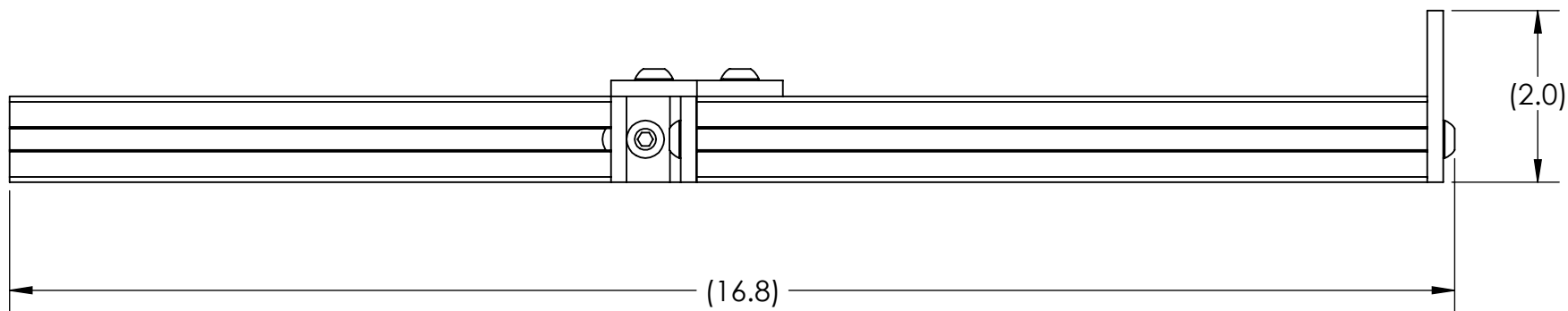
TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

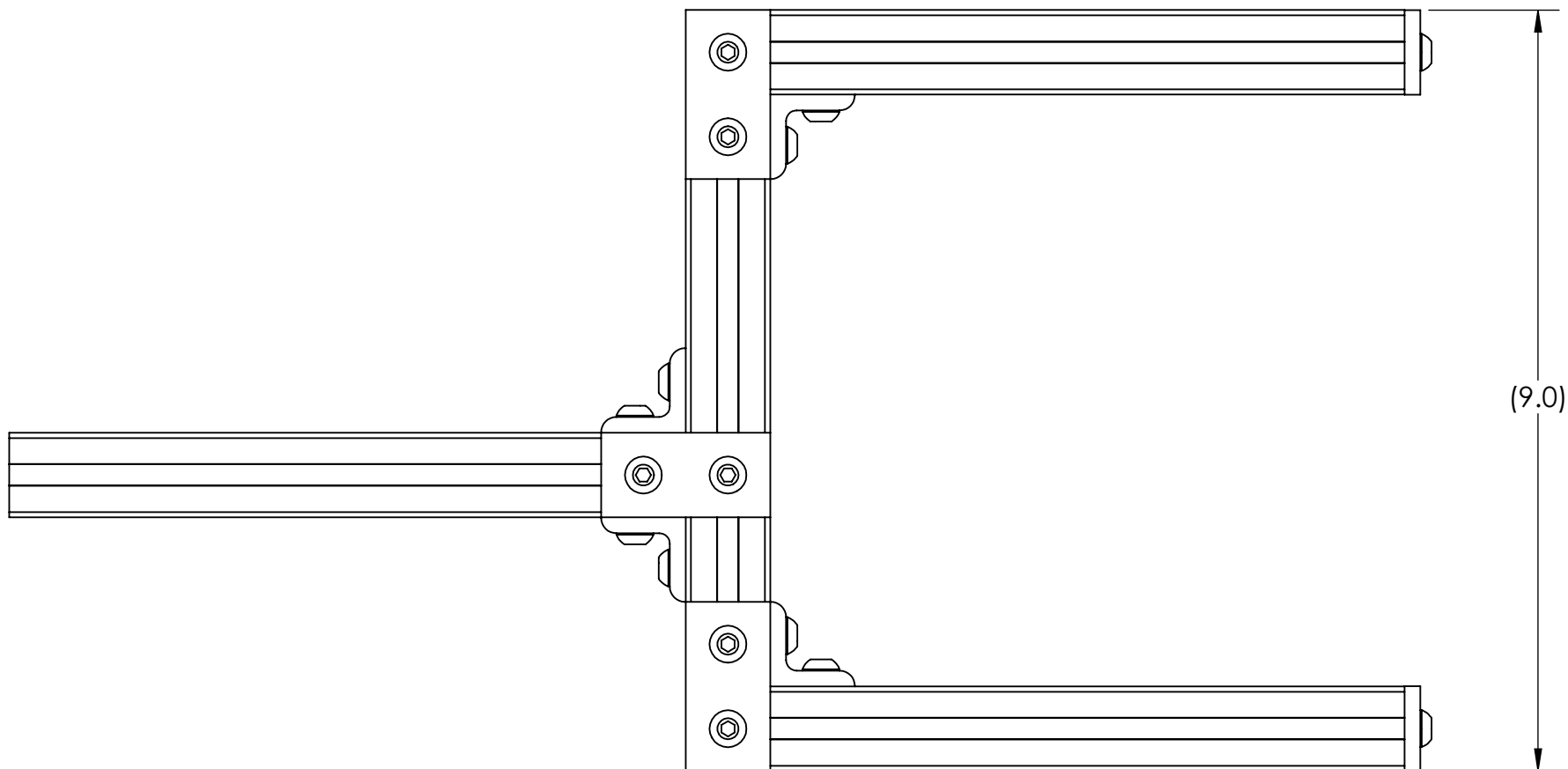
TITLE: BUCKET MANIPULATOR			
DRAWN     NAN LIN			
DESIGNED     NAN LIN			
SIZE A	DWG. NO. EML2322L-A-004		REV A
SCALE: 5:8		SHEET 1 OF 4	

DIMENSION TYPE	TOLERANCE UNLESS NOTED PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE:				BUCKET MANIPULATOR			
DRAWN				NAN LIN			
DESIGNED				NAN LIN			
SIZE		DWG. NO.			REV		
A		EML2322L-A-004			A		
SCALE: 1:2					SHEET 2 OF 4		



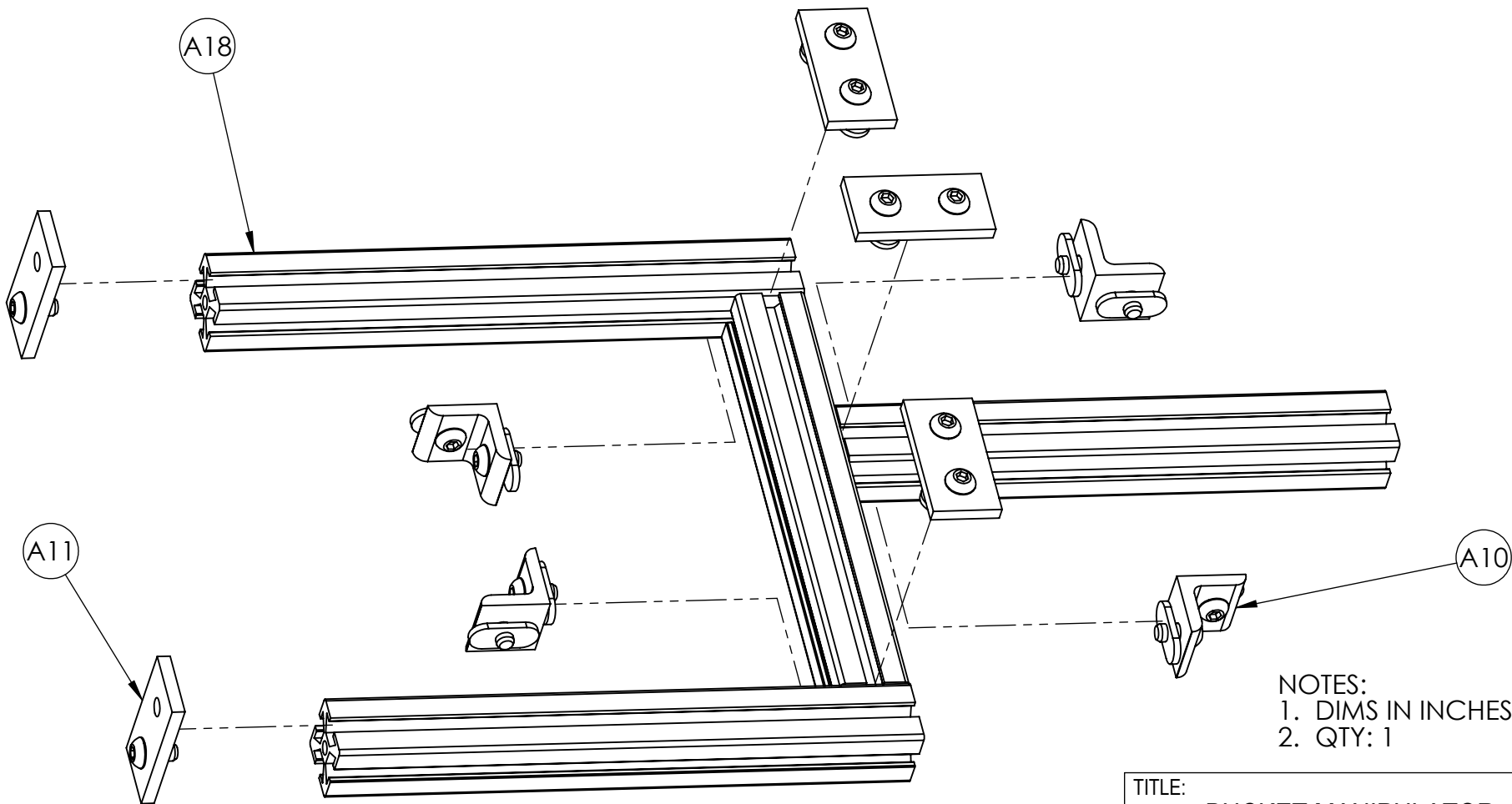
- NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: BUCKET MANIPULATOR			
DRAWN NAN LIN			
DESIGNED NAN LIN			
SIZE A	DWG. NO. EML2322L-A-004		REV A
SCALE: 1:2		SHEET 3 OF 4	

DIMENSION TYPE	TOLERANCE UNLESS NOTED PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
A10	EML2322L-A-010	90-DEGREE BRACKET ASSEMBLY	4
A11	EML2322L-A-011	STRAIGHT BRACKET ASSEMBLY	5
A18	EML2322L-A-018	BUCKET GRABBER EXTRUSIONS	1

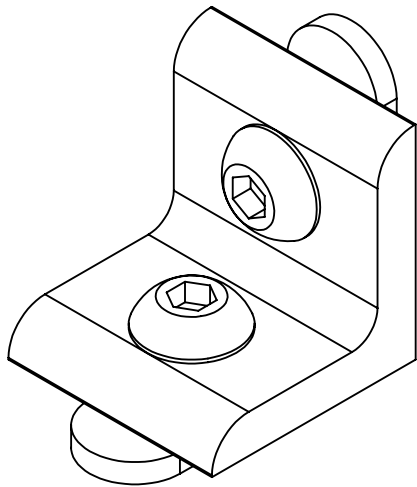
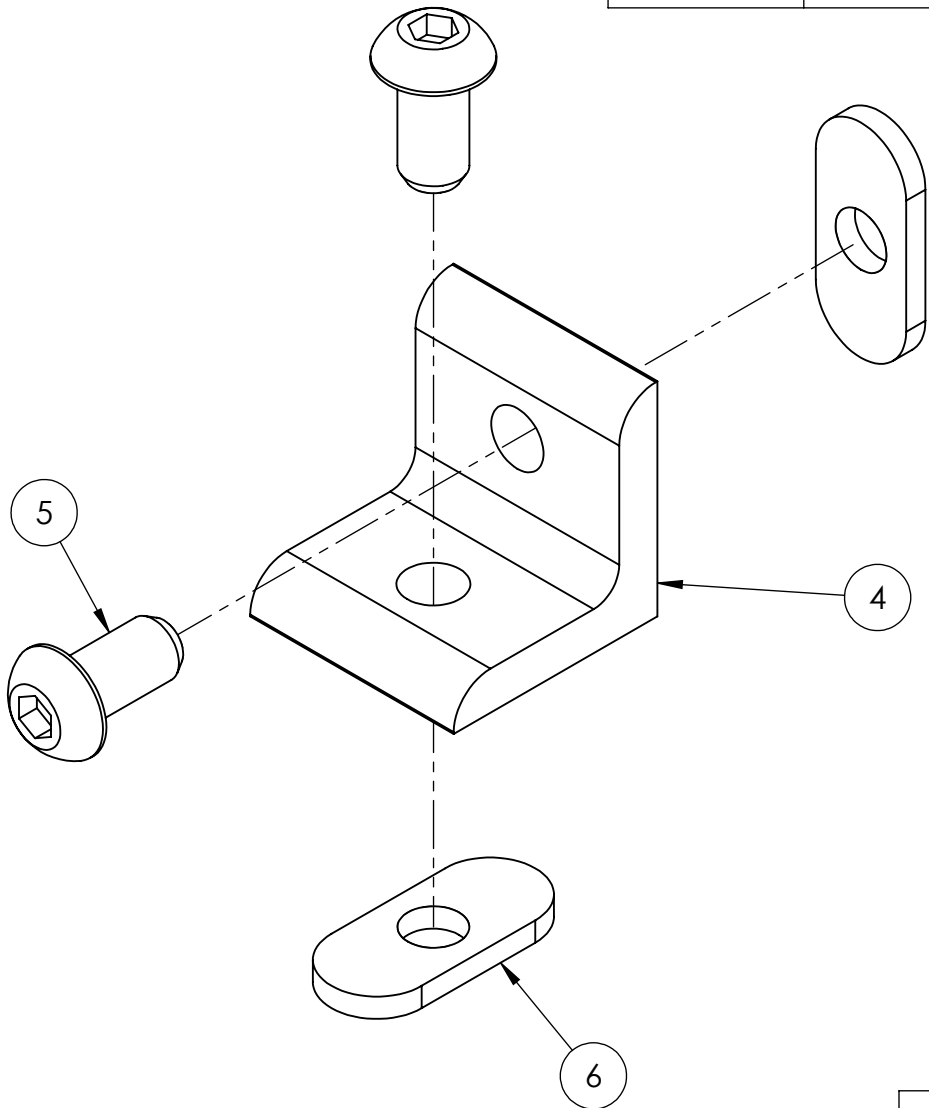


NOTES:  
 1. DIMS IN INCHES  
 2. QTY: 1

TITLE: BUCKET MANIPULATOR				
DRAWN     NAN LIN				
DESIGNED     NAN LIN				
SIZE <b>A</b>	DWG. NO. EML2322L-A-004			REV <b>A</b>
SCALE: 9:20		SHEET 4 OF 4		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

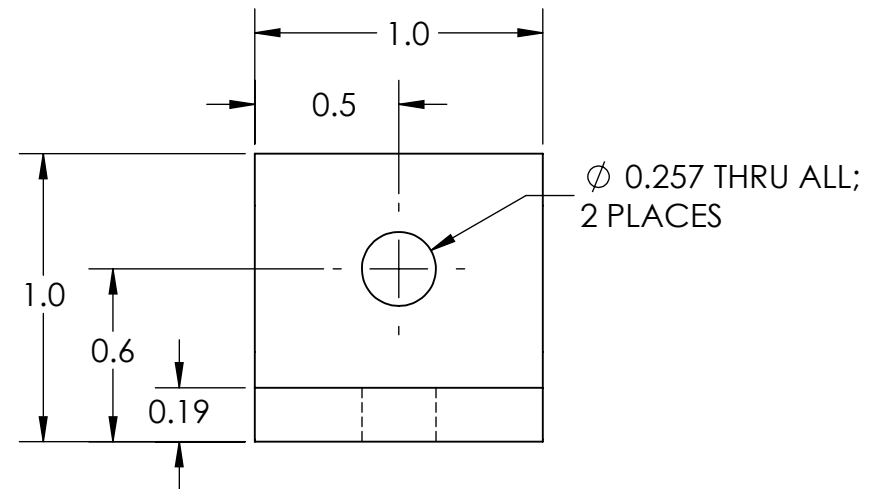
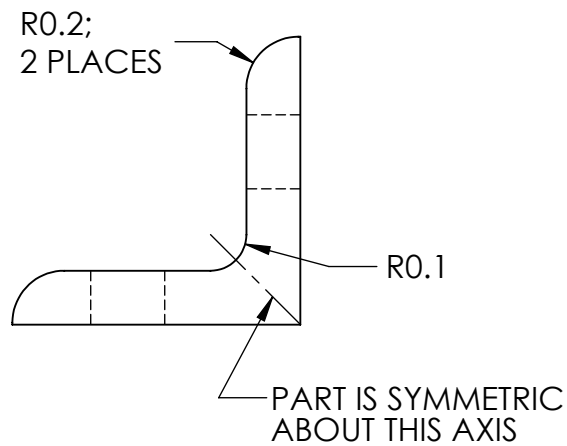
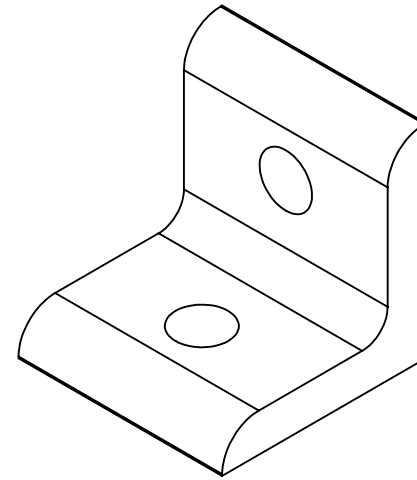
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	EML2322L-0004	80/20 90 DEG ANGLE BRACKET	1
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	2
6	EML2322L-0006	1/4-20 T-NUT	2



NOTES:  
1. DIMS IN INCHES  
2. QTY IN BOM

TITLE: 90-DEGREE BRACKET ASSEMBLY			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-010		A
SCALE: 1.5:1		SHEET 1 OF 1	

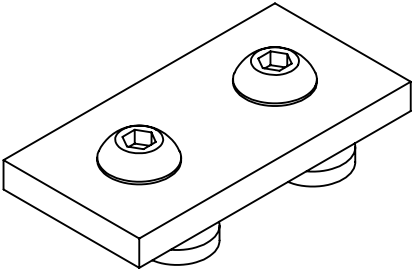
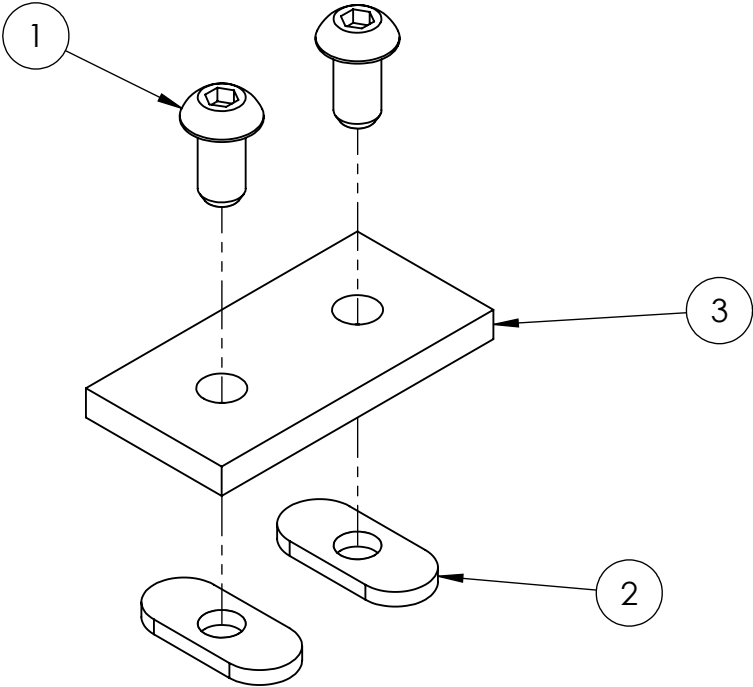
TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



- NOTES:
1. DIMS IN INCHES
  2. QTY SPECIFIED IN BOM
  3. DIMS SPECIFIED BY MANUFACTURER
  4. MAT'L: ALUMINUM

TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			80/20 90 DEG ANGLE BRACKET		
	0.0	0.00	0.000	DRAWN	J. DERSCH	
CALIPERS			±0.005	DESIGNED	80/20 INC.	
PRECISION RULER		±0.015		SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030			A	EML2322L-0004	A
PROTRACTOR	±10	±5	±2	SCALE: 1.5:1		SHEET 1 OF 1

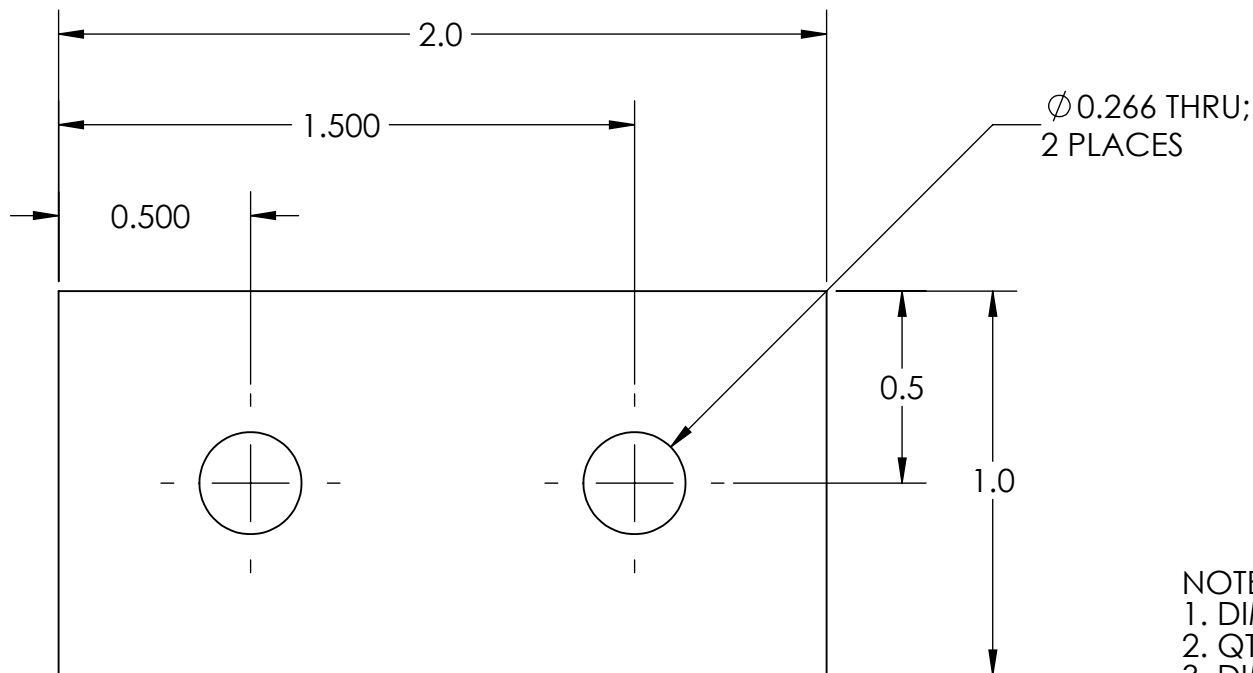
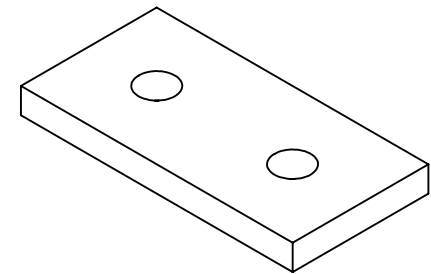
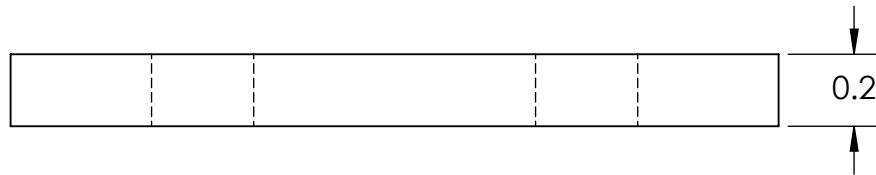
ITEM NO.	PART NUMBER	DESCRIPTION	Both Parallel/Q TY.
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	2
6	EML2322L-0006	1/4-20 T-NUT	2
7	EML2322L-0007	80/20 STRAIGHT BRACKET	1



NOTES:  
 1. DIMS IN INCHES  
 2. QTY IN BOM

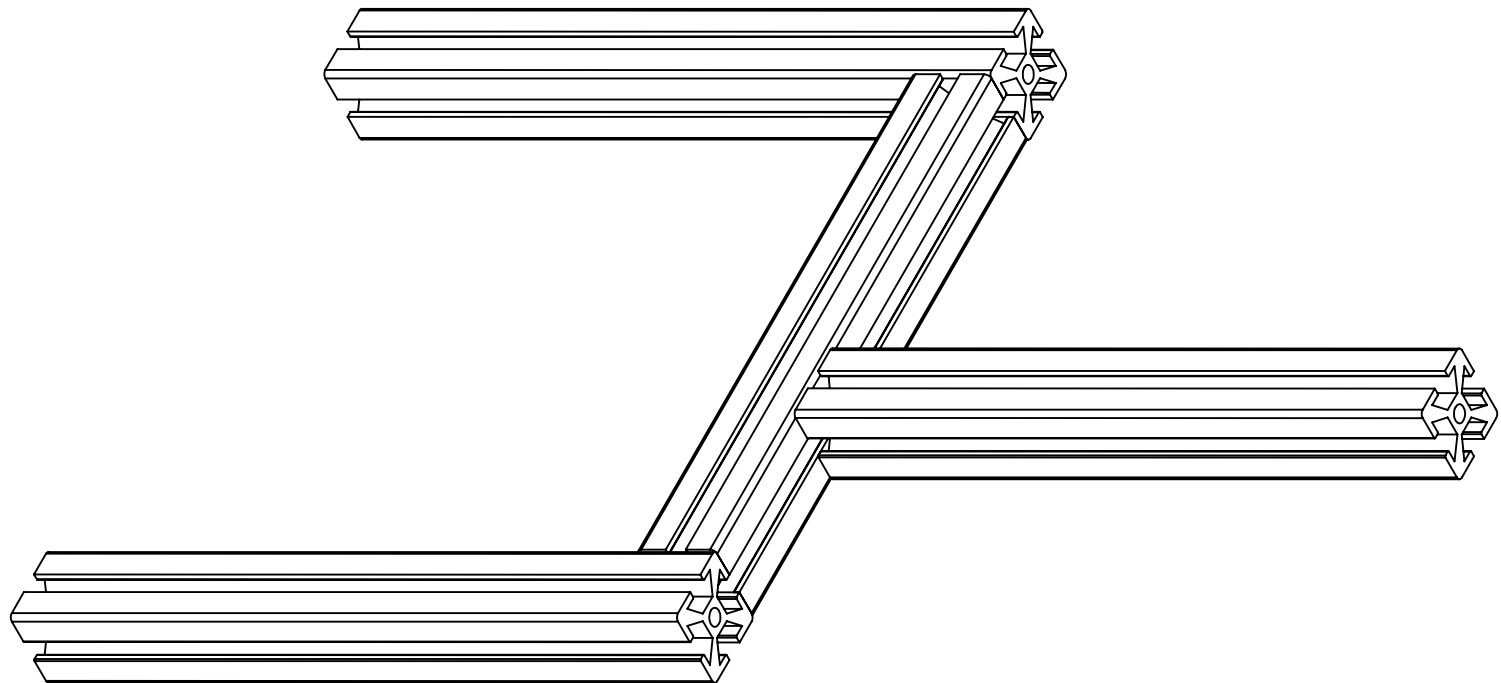
TITLE: STRAIGHT BRACKET ASSEMBLY				
DRAWN I. WIDJAJA				
DESIGNED I. WIDJAJA				
SIZE	DWG. NO.			REV
A	EML2322L-A-011			A
SCALE: 1:1		SHEET 1 OF 1		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



- NOTES:
1. DIMS IN INCHES
  2. QTY SPECIFIED IN BOM
  3. DIMS SPECIFIED BY MANUFACTURER
  4. MAT'L: ALUMINUM

TOLERANCE UNLESS NOTED				TITLE: 80/20 STRAIGHT BRACKET			
MEASURING INSTRUMENT	PLACES IN DIMENSION						
	0.0	0.00	0.000	DRAWN J. DERSCH			
CALIPERS			±0.005	DESIGNED 80/20 INC.			
PRECISION RULER		±0.015		SIZE	DWG. NO.		REV
TAPE MEASURE	±0.030			A	EML2322L-0007		A
PROTRACTOR	±10	±5	±2	SCALE: 2:1		SHEET 1 OF 1	



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE:  
BUCKET GRABBER EXTRUSIONS

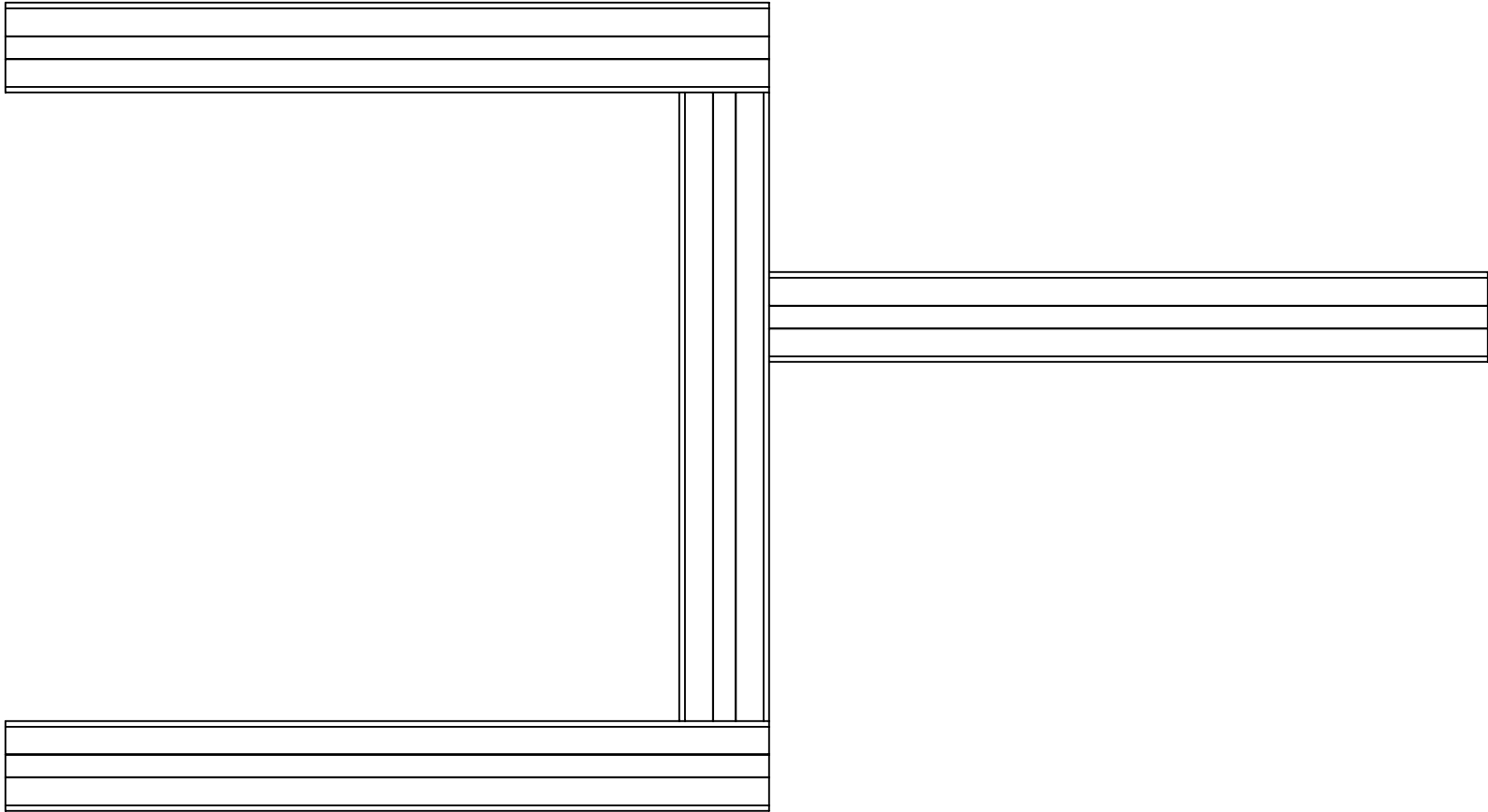
DRAWN MARK YEN

DESIGNED MARK YEN

TOLERANCE UNLESS NOTED				SIZE	DWG. NO.	REV
DIMENSION TYPE	PLACES IN DIMENSION			A	EML2322L-A-018	A
	0.0	0.00	0.000			
LOCATIONAL	±0.050	±0.020	±0.005			
ANGULAR	±5	±2	±0.5			

SCALE: 1:2

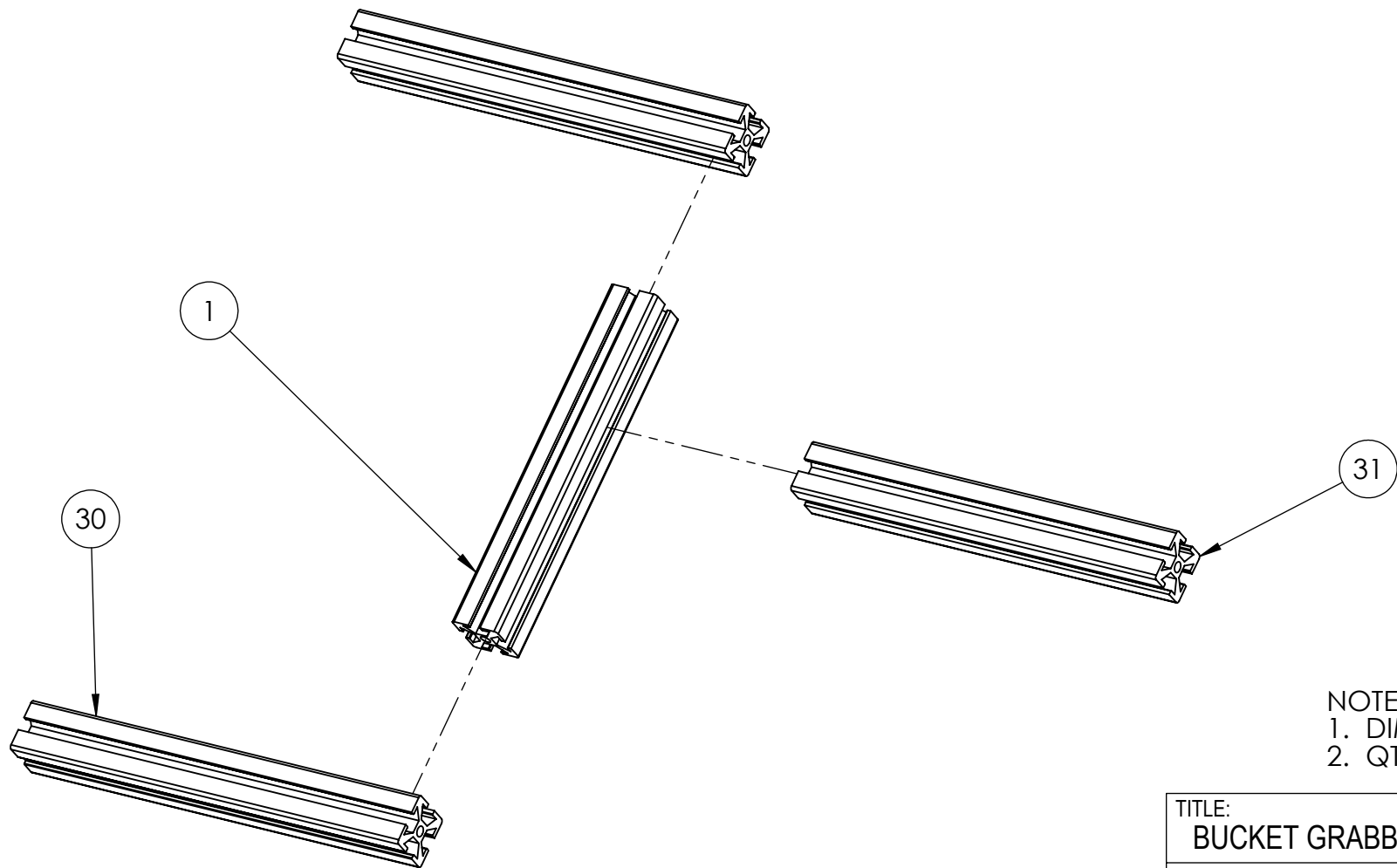
SHEET 1 OF 3



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE: BUCKET GRABBER EXTRUSIONS			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-018		A
SCALE: 1:2		SHEET 2 OF 3	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EML2322L-0001	80/20 EXTRUSION - 7.0 in	1
30	EML2322L-0030	80/20 EXTRUSION - 8.5 in	2
31	EML2322L-0031	80/20 EXTRUSION - 8.0 in	1



NOTES:  
1. DIMS IN INCHES  
2. QTY: 1

TITLE: BUCKET GRABBER EXTRUSIONS			
DRAWN		MARK YEN	
DESIGNED		MARK YEN	
SIZE	DWG. NO.		REV
A	EML2322L-A-018		A
SCALE: 1:3		SHEET 3 OF 3	

DIMENSION TYPE	TOLERANCE UNLESS NOTED		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5